



180 Lafayette Road
 North Hampton, NH 03862-2448
 PH: 603-964-3165
 FX: 603-964-3168
 WWW.PDEELECTRONICS.COM

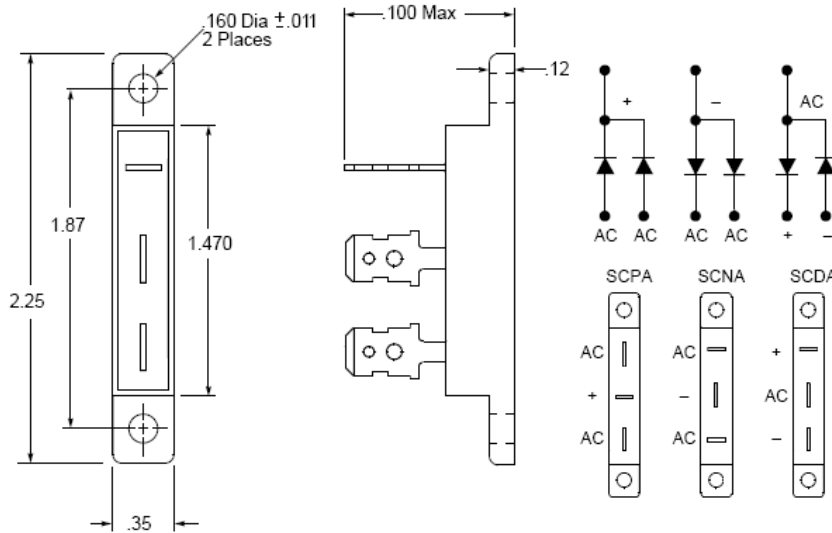
Center Tap and Doubler Assemblies

FAST RECOVERY
 SCPA_F, SCNA_F, SCDA_F Series

ABSOLUTE MAXIMUM RATINGS:

| Part Number | PIV Volts | Average Rectified Current | | | | | | Repetitive Surge Current | Single Cycle Surge Current tp=8.3mS | |
|--------------------|------------------|---------------------------|-------|-------|----------------|------|-------|--------------------------|--|-------|
| | | T _C | | | T _A | | | T _C | T _C | |
| | | 55°C | 100°C | 125°C | 25°C | 55°C | 100°C | 25°C | 25°C | 100°C |
| | | Amps | | | | | | Amps | Amps | |
| SCDA05F | 50 | 7.5 | 5.0 | 2.5 | 1.5 | 1.15 | 0.6 | 25 | 150 | 100 |
| SCDA1F | 100 | 7.5 | 5.0 | 2.5 | 1.5 | 1.15 | 0.6 | 25 | 150 | 100 |
| SCDA2F | 200 | 7.5 | 5.0 | 2.5 | 1.5 | 1.15 | 0.6 | 25 | 150 | 100 |
| SCDA4F | 400 | 7.5 | 5.0 | 2.5 | 1.5 | 1.15 | 0.6 | 25 | 150 | 100 |
| SCNA05F SCPA05F | 50 | 15.0 | 10.0 | 5.0 | 3.0 | 2.3 | 1.2 | 25 | 150 | 100 |
| SCNA1F SCPA1F | 100 | 15.0 | 10.0 | 5.0 | 3.0 | 2.3 | 1.2 | 25 | 150 | 100 |
| SCNA2F SCPA2F | 200 | 15.0 | 10.0 | 5.0 | 3.0 | 2.3 | 1.2 | 25 | 150 | 100 |
| SCNA4F SCPA4F | 400 | 15.0 | 10.0 | 5.0 | 3.0 | 2.3 | 1.2 | 25 | 150 | 100 |

MECHANICAL SPECIFICATIONS



Tol:
 .XX= .03"
 .XXX= .020"

Marking:
 PDE
 Part Number
 Date Code
 + Red Dot
 - Gray Dot
 AC Yellow Dot

Case:
 Aluminum

Finish:
 Black Anodize



180 Lafayette Road
 North Hampton, NH 03862-2448
 PH: 603-964-3165
 FX: 603-964-3168
 WWW.PDEELECTRONICS.COM

Center Tap and Doubler Assemblies

FAST RECOVERY
 SCPA_F, SCNA_F, SCDA_F Series

ELECTRICAL CHARACTERISTICS

| Part Number | Reverse Current @V _{RWM} | | Maximum Forward Voltage V _F @ 3.0A @25°C | Maximum Reverse Recovery Time (1) |
|----------------------|--------------------------------------|--------|--|---|
| | @25°C | @100°C | | |
| | µA | µA | Volts | nS |
| SCDA05F | 1.0 | 20 | 1.1 | 150 |
| SCDA1F | 1.0 | 20 | 1.1 | 150 |
| SCDA2F | 1.0 | 20 | 1.1 | 150 |
| SCDA4F | 1.0 | 20 | 1.1 | 150 |
| SCNA05F SCPA05F | 1.0 | 20 | 1.1 | 150 |
| SCNA1F SCPA1F | 1.0 | 20 | 1.1 | 150 |
| SCNA2F SCPA2F | 1.0 | 20 | 1.1 | 150 |
| SCNA4F SCPA4F | 1.0 | 20 | 1.1 | 150 |

(1) I_F=.5A, I_R=1A, I_{RR}=.25A , tested on discretes prior to assembly

THERMAL CHARACTERISTICS

| | |
|--|-----------------|
| Operating and Storage Temperature..... | -55°C to +150°C |
| Thermal Impedance (typical)..... | 4.0°C/W |